

## Product datasheet for **MR206185L4V**

### Mvk (NM\_023556) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mvk (NM_023556) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mvk
Synonyms:	2310010A05Rik; AI256848; AI414037; MK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023556
ORF Size:	1188 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206185).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_023556.2</a>
RefSeq Size:	1712 bp
RefSeq ORF:	1188 bp
Locus ID:	17855
UniProt ID:	<a href="#">Q9R008</a>
Cytogenetics:	5 55.99 cM



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**Gene Summary:**

This gene encodes mevalonate kinase, a key enzyme involved in the biosynthesis of cholesterol and non-sterol isoprenes. The complete lack of encoded protein is lethal to mouse embryos. Mice lacking one allele of this gene exhibit increased levels of mevalonate in spleen, heart and kidney, as well as increased levels of serum immunoglobulins A and D. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]